

GENERATING SET

GE 8000 BBT-L

The images are for reference



FEATURES

- Protective stretcher
- Large capacity tank with fuel level indicator
- Electric and pull start
- Engine shutdown due to low oil level (oil alert)
- Alternator with AVR (Electronic Voltage Regulation)
- Switch magnetemic
- Hour counter and voltmeter
- Portable
- Central lifting hook
- Compliant with CE/EU Directives
- Stage 5 engine in accordance with EU Regulation 2016/1628



air cooled



petrol



three-phase



electric start

POWER RATINGS

* Stand-By three-phase power (LTP)	8 kVA (6.4 kW) / 400V/ 11.5A
* PRP three-phase power	7 kVA (5.6 kW) / 400V/ 10.1A
* PRP single-phase power	3.5 kVA / kW / 230V / 15.2A
Frequency	50 Hz
Cos φ	0.8

* Powers declared according to ISO 8528

DEFINITION

Valid declared powers up to the followings environmental conditions: temperature 25°C, altitude 100 meters above sea level)

LTP power: stand-by power: Maximum available power for use with variable loads for a yearly number of hours limited at 500 h. No overload is admitted.

PRP power: continue power with variable loads. Maximum power for use with variable loads for a yearly illimited nubers of hours.

COP power: continuous power with constant load. Maximum power for use with constant loads for a yearly unlimited numbers of hours.

ENGINE 3000 RPM

4 STROKE, OHV, NATURAL ASPIRATED

Model	B&S - XR2100
Stand-By net power	8.15 kWm (11 hp)
PRP net power	7.3 kWm (10 hp)
COP net power	/
Cylinders / Displacement	1 / 420 cm ³ (0.42 lt.)
Bore / Stroke	90 / 66 (mm)
Compression ratio	/
BMEP (Brake Mean Effective Pressure : LTP - PRP)	/
Speed governor type	Mechanical
FUEL CONSUMPTION	
110 % (Stand-by power)	4 lt./h
100 % to PRP	3.6 lt./h
75 % to PRP	2.7 lt./h
50 % to PRP	1.8 lt./h
COOLING SYSTEM	
Total system cap. - only engine	/
Fan air flow	/
LUBRICATION SYSTEM	
Total oil system capacity	/
Oil capacity in sump	1.1 lt.
Oil consumption at full load	/

EXHAUST SYSTEM

Maximum exhaust gas flow	/
Max. exhaust gas temp.	/
Maximum back pressure	/
External diameter exhaust pipe	/
ELECTRICAL SYSTEM	
12 Vdc	
Starter motor power	/
Battery charging alternator cap.	10 A
Cold start	/
With cold start aid	/
AIR FILTER	
Dry	
Combustion air flow	/
HEAT REJECTED AT FULL LOAD	
To exhaust system	/
To water and oil	/
Radiated to room	/
To charge cooler	/

ALTERNATOR

SYNCHRONOUS, THREE-PHASE, SELF-EXCITED, SELF-REGULATED	
Continuous power 3~	7 kVA
Stand-by power 3~	7.7 kVA
Continuous power 1~	3.5 kVA
Voltage	3~ 400 ÷ 415 Vac 1~ 230 ÷ 240 Vac
Frequency	50 Hz
Cos φ	0.8
Model A.V.R.	HVR-d
Voltage regulation acc.	± 2 %
Sustained short circuit current	3 In
Transient dip (100% load)	10 %
Recovery time	/
Efficiency at 100% load	81 % (230V - Cos φ 0.8)
Insulation	Class H
Connection - Terminals	Series - N°6
Electromagnetic compatibility (R.F.I. suppr.)	/
Waveform distortion - THD	< 6 %
Telephone interference - THF	/

REACTANCES (7 KVA - 400 V)	
Direct axis synchronous - Xd	/
Direct axis transient - X'd	/
Subdirect axis transient - X''d	/
Quadrature axis synchronous - Xq	/
Quadr. axis subtransient - X''q	/
Negative sequence - X2	/
Zero sequence - X0	/
TIME CONSTANTS	
Transient - T'd	/
Subtransient - T''d	/
Open circuit - T'do	/
Armature - Ta	/
Short-circuit ratio Kcc	/
IP protection degree	IP 23
Cooling air flow	/
Coupling Bearing	Direct SAE J609b - N°1

GENERAL SPECIFICATIONS

Fuel tank capacity	20 lt.
Running time (75% to PRP)	8.5 h
Starter battery	/

IP protection degree	IP 23
Acoustic power LwA (pressure LpA)	99 dB(A) (74 dB(A) @ 7m)
Performance class	G2

CONTROL PANEL (AE)

- Pull start
- Engine start and stop key
- Fuel cock
- Air command
- Fuel gauge
- Hour meter
- Voltmeter
- Switch magnetomic
- Output sockets: 1x 400V 16A 3P+N+T CEE
1x 230V 16A 2P+E CEE
- Earth terminal (PE)

CONTROL PANEL (AE WITH GFI)

- Pull start
- Engine start and stop key
- Fuel cock
- Air command
- Fuel gauge
- Hour meter
- Voltmeter
- Differential-magnetothermal switch
- Output sockets: 1x 400V 16A 3P+N+T CEE
1x 230V 16A 2P+E CEE
- Earth terminal (PE)

WEIGHT - DIMENSIONS AND ACCESSORIES

GE 8000 BBT-L



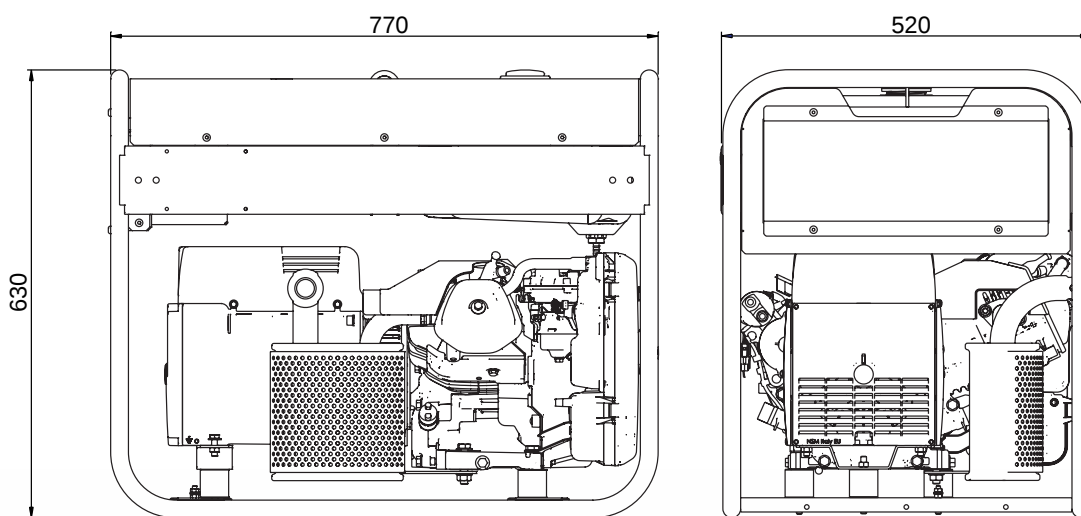
DRY WEIGHT MACHINE:

- 83 Kg

Generating set pictured may include optional accessories.



DIMENSIONS DRAW (mm)



VERSIONS IN ADDITION TO THE STANDARD FEATURES

GFI

- ELCB-GFI (Ground Fault Interruptor)

OPTIONS ON REQUEST

- Trolley CTM8000L
- Earthing kit

VERSIONS AVAILABLE

CL2Q9001	400V/230V - STANDARD 1x400V 16A CEE - 1x230V 16A CEE
CL2Q9001R	400V/230V - GFI 1x400V 16A CEE - 1x230V 16A CEE

GENERAL INFORMATION

COMPLIANCE GENERATING SETS WITH EC DIRECTIVES AND STANDARDS

2006/42 / EC (Machines Directive)
2014/35 / EU (Low Voltage Directive)
2014/30 / EU (EMC Directive)
2000/14 / EC (Directive Acoustic Emission for machines for use outdoors)
ISO 8528 (Reciprocating internal combustion engine driven alternating current generating sets)



ISO 9001:2015 - Cert. 0192

WARRANTY

All devices are covered by the manufacturer's warranty.

The company reserves the right to change this specification without notice. For further information please contact the sales department.

